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MALDON
RURAL DISTRICT COUNCIL

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

FOR

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COUNCIL OFFICES,
LONDON ROAD,
CHELMSFORD.

27th February, 1954.

**To the Chairman and Members of the
Maldon Rural District Council.**

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour of presenting for your consideration my Annual Report on the health and sanitary circumstances of your District for the year 1953.

The Birth Rate for the year 1953 was 13.8 per 1,000 of the population as against 15.1 for the previous year. The Death Rate was 11.7 as against 11.3 for the year 1952.

When corrected for age and sex distribution of the population the birth rate was 15.7 and the death rate 8.9 per 1,000 of the population for the year 1953.

Malignant and heart diseases were responsible for 50 deaths or 28.6 per cent of the total deaths.

Seventy-five per cent of the deaths were of persons over 65 years of age, forty-seven per cent were over 75 years, and thirty-one per cent over 80 years.

To my colleagues I am much indebted for assistance rendered during many years.

To the Council, may I express my sincere appreciation for sympathetic consideration extended to me during the whole period I had the privilege of serving them as Medical Officer of Health,

I am,

Your obedient Servant,

JOHN F. MACDONALD.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Notifiable Diseases (other than Tuberculosis) during 1953.

Four hundred and seventy cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with one hundred and eighty-four for the previous year. The increase was due to epidemics of whooping cough (219) and measles (178) during the first half of the year.

Notifiable Disease	Total Cases															Cases admitted to Hospital	Total Deaths
		Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over				
Scarlet Fever	34	—	3	—	1	3	19	5	2	1	—	—	—	—	3	—	
Whooping Cough ..	219	14	25	20	23	25	101	8	—	1	2	—	—	—	2	1	
Measles	178	3	8	20	13	24	97	3	3	4	1	1	1	—	—	—	
Pneumonia	29	—	1	1	1	—	3	—	1	3	4	5	10	—	—	—	
Food Poisoning	5	1	1	—	—	1	—	—	2	—	—	—	—	—	—	—	
Acute Poliomyelitis ...	3	—	—	—	—	—	1	1	—	—	—	1	—	—	2	—	
Dysentery	2	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	
Totals ...	470	18	38	41	38	53	221	17	8	10	7	8	11	7	1		

No case of Diphteria has been notified, during the last twelve years, and no death, from this disease, has occurred during the last 18 years. Such satisfactory results are mainly due to the immunisation of children under 15 years of age.

Five cases of food poisoning came under observation. These were sporadic cases and no specific food was ascertained as the source of infection.

The tables of pages 3 and 5 classify cases according to age and parish.

Tuberculosis.

New Cases and Mortality during 1953.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1953.

Age Groups	* New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	—	—	—	—	—	—
1—5	—	—	—	—	—	—
5—10	—	—	—	1	—	—
10—15	—	—	—	—	—	—
15—20	—	—	—	—	—	—
20—25	—	1	—	—	—	—
25—35	—	2	—	—	1	—
35—45	1	—	—	—	—	—
45—55	—	—	—	—	—	—
55—65	1	—	—	1	1	—
65 and over	...	1	—	—	—	—	1	—
TOTALS	...	3	3	—	1	1	3	—

* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

Table showing local distribution of infectious diseases
notified during 1953.

PARISH		Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Acute Poliomyelitis	Erysipelas	Pulmonary Tuberculosis	Other forms of Tuberculosis
Althorne	...	2	8	3						
Asheldham		1	6							
Bradwell-on-Sea		3	24	12						
Great Braxted			9							
Little Braxted			1							
Cold Norton			2	1						
Dengie	...			1						
North Fambridge			21	10						
Goldhanger				3						
Hazeleigh	...	3	5							
Langford	...	1								
Latchingdon				4						
Mayland	...	11	22	5						
Mundon	...									
Purleigh	...			7						
St. Lawrence				3						
Southminster				26						
Steeple	...			3						
Stow Maries				1						
Tillingham	...	2	25							
Tollesbury	...	6	34	60						
Tolleshunt D'Arcy		2	13	5						
Tolleshunt Knights			8	9						
Tolleshunt Major	...		5	1						
Great Totham			22	3						
Little Totham			7	3						
Ulting	...			1						
Wickham Bishops		2	2							
Woodham Mortimer		1	15	1						
Woodham Walter		1	2	2						
Totals	...	34	219	178	29	5	3	2	6	1

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

As from 5th July, 1948, all hospitals providing treatment (for patients in the area) have been transferred to Regional Hospital Boards.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN IN THE AREA,
is provided by the Essex County Council.

AMBULANCE FACILITIES.

These are provided free to patients by the Essex County Council.

The ambulance depot for the area is at the Fire Station, London Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

Tuberculosis Dispensary :

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

Maternity and Child Welfare Centres :

Mayland	Henry Samuel Hall	4th Thursday in each month	Doctor once each quarter 2.30 p.m.
Bradwell-on-Sea	Village Hall	1st Wednesday in each month	Doctor in attendance 2.30 p.m.
Southminster	Baptist Chapel School Room	4th Monday in each month	Doctor in attendance 2 p.m.
Tollesbury	Institute	1st and 3rd Tuesdays in each month	Doctor in attendance 2 p.m.
Wickham Bishops	Church Room	2nd Wednesday in each month	Doctor in attendance 2 p.m.
Althorne	Village Hall	3rd Wednesday 2 p.m.	Doctor in attendance
Great Totham	Village Hall	4th Wednesday 2.30 p.m.	Doctor attends all sessions

Maternity and Child Welfare Centres—contd.

Cold Norton	Village Hall	4th Tuesday in each month 2 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Mundon	Victory Hall	1st Thursday in each month 2 p.m.	Doctor attends alternate months
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	3rd or 5th Thursday in each month 2.30 p.m.	Doctor in attendance

*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 3rd Thursday.

Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance every other month
Great Braxted	Du Cane Arms	1st Wednesday in each month 2.30 p.m.	Weighing centre No doctor in attendance
Woodham Mortimer	Village Hall	2nd Thursday in each month 2—4 p.m.	No doctor in attendance
Latchingdon	Village Hall	4th Wednesday in each month	Doctor attends all sessions

Ante-Natal Clinics

Health Centre,	3rd Tuesday in	Doctor in
Wantz Chase, Maldon	each month 9.30 a.m.	attendance
Institute, Tollesbury	3rd Monday 2 p.m	Doctor in attendance

Women's Welfare Clinic :

Health Centre,	5th Tuesday 10 a.m.	Doctor in
Wantz Chase, Maldon		attendance

School Clinics :

Orthopaedic After Treatment Centre	Health Centre, Wantz Chase, Maldon	By appointment
Minor Ailments Clinic	Health Centre, Wantz Chase, Maldon	1st, 3rd & 5th Fridays 9.30 a.m.—12 noon. Doctor in attendance
Eye Clinic	Health Centre, Wantz Chase, Maldon	Doctor seen by ap- pointment
Speech Therapy	Health Centre, Wantz Chase, Maldon	By appointment

Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals :—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford ; and Essex County, Colchester.

Treatment Centres for Venereal Diseases :

These are situated at Chelmsford and Colchester Hospitals Oldchurch County Hospital, Romford, and a number of London General Hospitals.

PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Are provided by the County Council.

LABORATORY FACILITIES. These services are provided by the Essex County Council and Medical Research Council.

During the year no action was taken under Section 47 of National Assistance Act, 1948 (Removal to suitable premises of persons in need of care and attention).

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who has died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

Since the passing of the act the following burials were carried out.

1948	...	...	...	...	—
1949	...	...	...	...	1
1950	...	...	...	...	1
1951	...	...	...	...	2
1952	...	...	...	...	1
1953	...	...	...	...	2
Total ...					7

PUBLIC CLEANSING

Early in 1953 the nightsoil collection was extended to all parishes in the district except from isolated dwellings.

Weekly refuse collection is carried out by contractors in the parishes of Southminster and Tollesbury.

From the remaining parishes, tins and bottles are collected monthly by the Council's workmen.

SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES				Outstanding at the end of year	
Nature	Number	Informal	Formal	Total complied with	Informal	Formal	
Dwelling Houses :							
Under Housing Regs.	11	—	—	—	—	—	
Primary Inspections Re :							
Structural Defects	36	8	—	5	17	—	
Nuisances	67	25	—	22	9	—	
Overcrowding	95	—	—	—	—	—	
Dirty conditions	10	6	—	2	—	—	
Re Inspections :							
Under Housing Regs.	23	—	—	—	—	—	
Re Structural defects	46	—	—	—	—	—	
Nuisances	40	—	—	—	—	—	
Overcrowding	67	—	—	—	—	—	
Dirty Conditions	11	—	—	—	—	—	
Verminous Premises :							
Rats and Mice	113	—	—	—	—	—	
Other Pests	10	4	—	4	—	—	
Infectious Diseases							
Inquiries	35	—	—	—	—	—	
Disinfections	2	—	—	—	—	—	
Sewage and Drainage :							
House Drainage Inspections	379	19	—	13	12	—	
Tests	26	—	—	—	—	—	
Other Forms Inspections	136	1	—	4	—	—	
Tests	9	—	—	—	—	—	
Inspections re cesspools	87	7	—	5	2	—	
Inspections re sewerage	14	2	—	2	—	—	
Sanitary Conveniences :							
Dwelling Houses	387	1	—	—	3	—	
Other Premises	54	5	—	4	2	—	
Water Supply :							
Samples taken	21	—	—	—	—	—	
Other visits	275	—	—	—	1	—	
Milk and Dairies Inspections :							
Cowsheds	3	—	—	—	—	—	
Dairies	8	—	—	—	—	—	
Milk samples taken	—	—	—	—	—	—	
Food Inspection :							
Meat	30	—	—	—	—	—	
Other Foods	8	—	—	—	—	—	
Inspections Re :							
Licensed Premises	23	2	—	1	1	—	
Offices	1	—	—	—	—	—	
Bakehouses	31	—	—	—	—	—	
Slaughterhouses	7	—	—	—	—	—	
Butchers' Shops	19	—	—	—	—	—	
Food Shops	50	—	—	—	—	—	
Other Shops	—	—	—	—	—	—	
Ice Cream, Man. Premises	2	—	—	—	—	—	
Ice Cream, Dealers' Premises	17	—	—	—	—	—	
Man. Food Premises	9	—	—	—	—	—	
Restaurants	3	—	—	—	—	—	
Factories with Mech.	47	—	—	—	—	—	
Factories without Mech.	2	—	—	—	—	—	
Workplaces	2	—	—	—	—	—	
Outworkers Premises	1	—	—	—	—	—	
Places of Entertainment	3	—	—	—	—	—	
Knackers Yards	3	—	—	—	—	—	
Refuse and Salvage	65	2	—	1	1	—	
Schools	5	—	—	—	—	—	
Rivers, Ditches and Streams	62	12	—	8	7	—	
Swimming Pools	7	—	—	—	—	—	
Movable Dwelling	206	5	—	5	—	—	
Fried Fish Shops	—	—	—	—	—	—	
Stables and Piggeries	2	1	—	1	—	—	
Miscellaneous Inspections	476	—	—	—	—	—	
TOTALS	3046	100	—	78	55	—	

Smoke Abatement. No cause for action occurred throughout the year.

Swimming Baths and Pools. There is a small open-air salt-water pool at Tollesbury.

Knackers' Yards. There is one in the district, situated in the parish of Purleigh.

Moveable Dwellings. During the year 26 licences to site moveable dwellings were granted under Section 269 of the Public Health Act, 1936.

Bakehouses. There are 12 in the district, situated in the following parishes :— Goldhanger 1, Purleigh 2, Stow Maries 1, Tillingham 2, Tolleshunt D'Arcy 1, Tollesbury 3, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—Inspections for the purposes of provisions as to health.
Including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	18	2	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	56	47	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	Nil	Nil	—	—
TOTAL ...	74	49	—	—

2.—Cases in which Defects were found.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	7	4	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6) ...	—	—	—	—	—
Sanitary Conveniences (S.7) :					
Insufficient ...	—	—	—	—	—
Unsuitable or Defective ...	—	—	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work) ...	—	—	—	—	—
TOTAL ...	7	4	—	—	—

OUTWORK (Sections 110-111)

Nature of Work	Section 110		Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of instances unwholesome premises	Notices Served	
Making etc.	2	—	—	—	—
Wearing apparel	—	—	—	—	—
Cleaning and wash- ing ...	—	—	—	—	—
Total	2	—	—	—	—

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

There are 20 distributors (non-producers) of milk in the district which are supervised by the District Council.

Meat and Other Foods.

There are 7 slaughter houses in the district, but owing to Ministry of Food control and centralising of slaughtering, these are used in the main, for the killing of pigs, under the Ministry of Food Domestic Suppliers' scheme.

Routine inspections were made, during the year, of these premises.

WATER SUPPLY.

By the end of 1953 a piped water supply from the mains owned by the District Council was available to 93·2 per cent of the population. The figures for each parish are set out in the table on page 17.

The supply is augmented from two local works :—

Springs at Woodham Walter.

Springs at Asheldam.

The supplies from these two works are chlorinated.

Work commenced in September, 1953, on the Woodham Walter water scheme which when completed should make available another 70,000 to 80,000 gallons per day. The Council, as far back as 1934, envisaged the future needs for augmenting the existing supply at Woodham Walter by purchasing land in which the springs known locally as Jacobs Well are situated. In 1948, a scheme was prepared by the Council's Engineer and a Public Enquiry held November 1949, and the Ministry approved the scheme in principle. Final approval to the scheme was obtained in September, 1953, the accepted Tender for the scheme being £11,002 1s. 10d. The main Contractors are Messrs. T. J. Evers, Ltd., of Tiptree. The scheme consists of cleaning out the Jacobs Well Spring, forming collecting chamber, construction of a 30,000 gallon mass concrete covered Reservoir, erection of pump house and installation of 2 Harland 4,000 gallon per hour electrically operated centrifugal pumps.

From Jacobs Well the water will be pumped through a 4" dia. pumping main to the existing Woodham Walter Pumping Station. At this latter station, a 10,000 gallon p.h. Harland electrically operated centrifugal pump is to be installed and a new 7" dia. pumping main laid to Redgates, to join up with the existing 7" main. It is hoped to have the scheme completed and in operation by June, 1954.

THURSTABLE HUNDRED WATER SCHEME

Owing to the shortage of water in the Thurstable area, mainly due to the very considerable increase in consumption during the past 15 years, it has become necessary to formulate some scheme to meet this ever increasing demand. A scheme has, therefore, been prepared for taking a bulk supply from the South Essex Main above Great Braxted village and laying a new 7" main past Tiptree Priory to Grove Farm across to Tudwick Lane and finally connecting into the existing 3" main at Tolleshunt Knights. Connections to be made also on the 3" main at Grove Farm and the 2" at Tudwick. The scheme estimated to cost £12,939 was submitted to the Ministry and after an enquiry on the 28th July, 1953, permission has been given to carry out the first part of the scheme as far as Grove Farm. Unfortunately, owing to difficulties in pipe deliveries, it is doubtful if this scheme will be put in hand until the latter part of 1954.

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water. The following table gives details of the water supplied to the District for the year ending 31st December, 1953 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	139,057,000	281,000
Southend Waterworks Co. ...	18,221,000	50,000
Lexden and Winstree ...	7,878,000	22,000
Total Amount Purchased ...	165,156,000	453,000
 Asheldam (364 days) ...	7,113,000	20,000
Woodham Walter (252 days) ...	13,704,000	54,000
Total ...	20,817,000	74,000
 Total supplied from All Sources	185,973,000	510,000

The total amount of water supplied for previous year was 190,154,000 gallons. During 1953-1954 there were 638 meters in use for non-domestic purposes.

Summary of Work Carried Out by Waterworks Department

Description	Year ending 31.3.54	31.3.53	Increase or Decrease
New services installed ...	145	202	57 D
New meters installed ...	26	25	1 I

Meters removed from existing supplies	9	3	6 I
New Valves and Hydrants fixed	12 H	61	49 D
	6 V	10	4 D
New Mains laid	2,495 yds.	2,294 yds.	1,024 yds. I
Total mileage of Water Mains of all sizes at 31.3.54, 153½ miles.			

RECORD OF HABITABLE HOUSES AND WATER SUPPLY AS AT 31st DECEMBER, 1953.

PARISH	Habitable Houses (not including Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne	155	146	—	9
Asheldam	51	47	—	4
Bradwell-on-Sea ...	247	231	9	7
Braxted, Great ...	120	58	19	43
Braxted, Little ...	44	39	5	—
Cold Norton ...	130	129	1	—
Dengie	51	37	3	11
Fambridge, North ...	96	89	6	1
Goldhanger	157	146	6	5
Hazeleigh	40	36	3	1
Langford	50	52	1	17
Latchingdon	206	200	6	—
Mayland	148	136	6	6
Mundon	90	86	1	3
Purleigh	296	288	6	2
St. Lawrence ...	109	105	1	3
Southminster ...	514	475	2	37
Steeple	127	114	2	11
Stow Maries	60	60	—	—
Tillingham	261	215	16	30
Tollesbury	579	566	7	6
Tolls. D'Arcy ...	290	245	26	19
Tolls. Knights ...	136	136	—	—
Tolls. Major ...	126	105	5	16
Totham, Great ...	430	405	12	13
Totham, Little ...	88	70	5	13
Ulting	43	18	—	25
Wickham Bishops ...	289	232	13	44
Woodham Mortimer...	118	116	2	—
Woodham Walter ...	177	130	20	27
TOTALS ...	5228	4792	183	353

Number of properties served by communal standpipes.

<i>Parish</i>	<i>No. of Standpipes</i>	<i>Properties served</i>
Southminster, Old Heath ...	3	21
T. Major. Pennysbrook ...	1	7
Latchingdon, Riverside Estate	4	Temporary 100 (incl. hutments, etc.).
Althorne, Smugglers Club Ground	1	Permanent 2 Temporary 54 (incl. hutments, etc.)

**Number of Properties in District receiving water supply
other than from Maldon Rural District Council.**

Langford and Ulting ...	16	Supplied direct by Southend Waterworks
Cold Norton	5	Supplied direct by Southend Waterworks
Ulting	3	Supplied by Braintree R.D.C.
Woodham Mortimer ...	4	Supplied by Maldon Borough Council
Goldhanger	1	Supplied by Maldon Borough Council
Little Totham	4	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District
supplied by Maldon Rural District Council.**

Witham	9
Maldon	3

Sample of Water from Woodham Walter Pumping Station

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Clear and bright.
Turbidity	...	...	...	...	Nil
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Nil
pH	...	...	...	...	6.5
Free Carbon Dioxide	...	...	...	...	13
Electric Conductivity	...	...	...	...	350
Total Solids	...	...	...	...	235
Chlorine present as Chloride	...	...	...	...	30
Alkalinity as Calcium Carbonate				...	40
Hardness : Total	...	...	...	...	145
		Carbonate		...	40
		Non-carbonate		...	105
Nitrate Nitrogen	...	...	...	...	8.8
Nitrite Nitrogen	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen absorbed	...	...	...	...	0.15
Albuminoid Nitrogen	...	...	...	...	0.000
Residual Chlorine	...	...	...	...	Absent
Metals	...	...	...	...	Absent
Fluorine	...	...	...	...	0.1

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Cl. Welchii Reaction

Absent 100 ml.

Report

This sample is clear and bright in appearance. It is free from metals but it will show corrosive tendencies on account of its reaction being on the acid side of neutrality.

Its hardness and its mineral and saline constituents are very moderate, and its organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes, although a higher pH would be desirable from the aspect of minimising corrosion.

SOUTH ESSEX WATERWORKS COMPANY

ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham	Layer-de-la-Haye
Appearance	Clear and Bright	Clear and Bright
Colour A.P.H.A.	Under 10	Under 10
Turbidity, silica scale ...	Under 0.5	Under 0.5
Odour	Nil	Nil
Taste	Nil	Nil
Electric Conductivity 20°C.	830	510
Total solids 180°C. ...	570	357
Reaction P.H.	7.74	7.75
Residual Chlorine	0.25	0.28
Chlorides as Cl.	77	40
Nitrate Nitrogen	3.1	1.2
Nitrites as N	0.002	Nil
Hardness, Non-carbonate ...	88	110
, Carbonate ...	294	133
, Total ...	382	243
Free Ammonia	0.20	0.14
Albuminoid Nitrogen ...	0.08	0.16
Oxygen absorbed 4hrs. 27°C.	0.70	1.38
Metals (Iron)	0.03	Nil
Colony Count per m.l. on Agar 1 day at 37°C. ...	2	8
Ditto 4 days at 20°C. ...	—	17
Presumptive col absent in ...	100 M.L.	100 M.L.
Bact. Coli absent in ...	100 M.L.	100 M.L.
Cl. Welchii Absent in ...	100 M.L.	100 M.L.

Sample of Water from the Mains of the Southend Water-works Company.

	Chemical Results in Parts per Million				
Appearance	Bright with a very few mineral particles.
Turbidity	Less than 3
Colour	3
Odour	Nil
pH	8·4
Free Carbon Dioxide	Absent
Electric Conductivity	790
Total Solids	530
Chlorine present as Chlorides	120
Alkalinity as Calcium Carbonate	120
Hardness : Total	80
Carbonate	80
Non-carbonate	0
Nitrate Nitrogen	2·0
Nitrite Nitrogen	0·01
Ammoniacal Nitrogen	0·043
Oxygen Absorbed	0·80
Albuminoid Nitrogen	0·069
Residual Chlorine	Absent
Metals	Iron : 0·03. Other metals absent

Bacteriological Results

Number of Colonies developing on Agar :

1 day at 37°C. 350 per ml.
 2 days at 37°C. 500 per ml.
 3 days at 20°C. 300 per ml. } Very minute colonies.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli. (Type I)

Absent 100 ml.

Cl. Welchii Reaction

Absent 100 ml.

Report

This sample is practically clear and bright in appearance, faintly alkaline in reaction and free from metals apart from a negligible trace of iron. The water is fairly soft in character and free from any excess of mineral or saline constituents, in solution. It is of satisfactory organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for drinking and domestic purposes.

Sample of Water from Asheldham Pumping Station

	<i>Chemical Results in Parts per Million</i>				
Appearance	Faint opalescence with a slight flocculent deposit of mineral debris.
Turbidity	Nil
Colour	Nil
Odour	Nil
pH	5.9
Free Carbon Dioxide	19
Electric Conductivity	450
Total Solids	300
Chlorine present as Chloride	38
Alkalinity as Calcium Carbonate	10
Hardness : Total	180
Carbonate	10
Non-carbonate	170
Nitrate Nitrogen	20
Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.000
Oxygen Absorbed	0.35
Albuminoid Nitrogen	0.000
Residual Chlorine	Absent
Metals	Iron 0.06. Other metals absent.

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Cl. Welchii Reaction :

Absent 100 ml.

Report

This sample is practically clear and bright in appearance and is free from metals apart from a minute trace of iron. It has however a slightly acid reaction on account of which it will show corrosive characteristics. Its organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes, apart from the disadvantage of corrosive characteristics.

RIVERS AND STREAMS.

The Rivers Blackwater and Chelmer flow through the district. Neither of these rivers receives polluting matter to any extent while flowing through the Maldon Rural District. The Chelmsford Corporation Water Act, 1923, authorises the Corporation of Chelmsford to abstract water from the River Chelmer near Sandford Mill in the Rural District of Chelmsford—the quantity not to exceed 1,000,000 gallons per day. The Southend Waterworks Act, 1924, authorises the Southend Waterworks Company to abstract water from the River Chelmer near Rushes Lock and from the River Blackwater at Langford. The Hanningfield Water Order 1950 authorises the South Essex and Southend Waterworks Companies to extract water, not exceeding 43 million gallons in any period of 14 days, from the Chelmer and Blackwater rivers. The Southend Waterworks Act provides that the effluent from the Chelmsford Joint Sewerage Works be carried by a pipe past the point of intake at Rushes Lock and the effluent from the Witham Sewage Works beyond the point of intake from the River Blackwater at Langford. The discharge of such large volumes of sewage effluent into the rivers after a good deal of water has been extracted may cause a nuisance.

The following table classifies the houses erected and owned by the District Council into Parlour and Non-Parlour types.

PARISH		Parlour Type	Non-Parlour Type	Totals
Althorne ...	...	—	—	—
Asheldham ...	...	5	2	7
Bradwell-on-Sea ...	...	12	6	18
Braxted, Great ...	...	12	6	18
Braxted, Little ...	...	—	4	4
Cold Norton ...	...	—	10	10
Dengie ...	...	—	8	8
Fambridge, North ...	...	—	—	—
Goldhanger ...	...	8	38	46
Hazeleigh ...	...	—	6	6
Langford ...	...	—	—	—
Latchingdon ...	...	18	34	52
Mayland ...	...	—	12	12
Mundon ...	...	10	12	22
Purleigh ...	...	8	18	26
St. Lawrence ...	...	—	—	—
Southminster ...	...	54	36	90
Steeple ...	...	10	12	22
Stow Maries ...	...	6	12	18
Tillingham ...	...	20	6	26
Tollesbury ...	...	48	20	68
Tolleshunt D'Arcy ...	...	46	16	62
Tolleshunt Knights ...	...	—	10	10
Tolleshunt Major ...	...	6	12	18
Totham, Great ...	...	61	31	92
Totham, Little ...	...	4	6	10
Ulting ...	...	—	—	—
Wickham Bishops ...	...	31	26	57
Woodham Mortimer ...	...	12	6	18
Woodham Walter ...	...	14	12	26
TOTALS ...		385	361	746

The total includes six cottages erected by Parish Council in Tolleshunt D'Arcy; six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea. Buildings at Asheldham converted into three dwellings.

Nine cottages (non-parlour) purchased by Council (Wickham Bishops). 18 Agricultural cottages (parlour):— Asheldham 4, Southminster 4, Steeple 6, Tolleshunt D'Arcy 4.

**Table showing Census Population 1921 and 1931, and
Number of Houses Census 1931 and December, 1953.**

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1931	Census Population		Number of Houses at end of Dec. 1953 excl. of hutments
				1921	1931	
Althorne ...	2080	255	117	401	390	155
Asheldham ...	1310	—	42	203	168	51
Bradwell-on-Sea ...	5221	4230	188	747	657	247
Braxted Great ...	2634	—	85	283	282	120
Braxted Little ...	622	—	36	109	116	44
Cold Norton ...	1692	—	102	326	384	130
Dengie ...	2856	1186	54	181	192	51
Fambridge North...	1242	107	50	177	168	95
Goldhanger ...	1622	—	107	361	353	157
Hazeleigh ...	991	—	33	121	114	40
Langford ...	991	3	49	167	169	50
Latchingdon ...	3992	207	122	420	419	206
Mayland ...	1870	—	99	343	360	148
Mundon ...	3076	—	60	269	251	90
Purleigh ...	5771	87	223	857	770	296
St. Lawrence ...	2139	324	20	132	71	109
Southminster ...	6512	828	439	1592	1403	514
Steeple ...	2709	47	94	391	343	127
Stow Maries ...	1610	82	48	147	165	60
Tillingham ...	4928	2593	211	836	670	261
Tollesbury ...	4839	2019	467	1721	1694	579
Tolleshunt D'Arcy...	4104	415	236	780	748	290
Tolleshunt Knights	1926	—	78	235	252	136
Tolleshunt Major ...	2253	2	96	338	370	126
Totham Great ...	3589	—	286	973	982	430
Totham Little ...	1281	—	85	301	293	88
Ulting ...	1034	—	37	144	143	43
Wickham Bishops...	1606	—	191	498	639	289
Woodham Mortimer	1387	—	69	229	268	118
Woodham Walter ...	2620	—	141	612	514	177
TOTALS ...	78507	12385	3865	13894	13348	5228

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	78,507 (land and inland water)
Home Population (estimated June, 1953)	14,970
Census Population, 1951 ...	14,962 (males 7,335, Females 7,627)
Census Population, 1931	13,348
Number of inhabited houses 1951 census	... ... 4,788
Estimated number of houses at end of 1953 ...	5,228
Rateable Value at 1st April, 1953	£93,056
Product of a Penny Rate for the year ending :—	
31st March, 1953	£379 18 3
31st March, 1954	£445 1 3
Persons per household at Census 1951	... ... 3.08
Persons per household at Census 1931	... ... 3.39

Except in certain centres, the District is sparsely populated. Nearly half of the population is directly or indirectly dependent upon agriculture.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

	Total	Males	Females	
Live Births	{ Legitimate 197	102	95	Birth Rate per 1,000 of the estimated population
	{ Illegitimate 9	6	3	
				... ... ... 13.8
Still Births	{ Legitimate 5	2	3	Rate per 1,000 total (live and still) Births ... 23.7
	{ Illegitimate —	—	—	
Deaths	...	175	94	Death Rate per 1,000 of the estimated population
				... ... ... 11.7

Deaths :—

Pregnancy, Childbirth, Abortion Nil

Number of deaths of infants under 1 year of age :—

Males 0 (illegitimate Nil), Females 1 (illegitimate nil) Total 1

The number of deaths among infants under one year of age was only 1, which is exceptionally low.

Deaths of Infants under 1 year of age :—

Legitimate per 1,000	Legitimate Live Births	...	5·1
Illegitimate „ „	Illegitimate „ „ ...	...	Nil
All Infants „ „	Live Births ...	...	4·8

Deaths from Malignant neoplasms (all ages)	...	...	27
„ „ Measles (all ages) ...	...	...	Nil
„ „ Whooping Cough (all ages) ...	...	...	1
„ „ Diarrhoea (under 2 years of age) ...	...	...	Nil

The following tabular statements give details of the number of deaths classified according to age and cause :—

Age		Number of deaths							
		Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted to district	
		M	F	M	F	M	F	M	F
Under 1 year	...	—	—	—	—	—	1	—	1
1 and under	2	...	—	—	1	—	—	—	1
2 „ „	5	...	—	—	1	—	—	—	2
5 „ „	15	...	—	—	—	—	—	—	—
15 „ „	25	...	—	—	—	—	—	1	—
25 „ „	35	...	2	—	—	—	1	1	3
35 „ „	45	...	3	1	—	—	—	1	3
45 „ „	55	...	—	2	—	—	4	2	4
55 „ „	65	...	11	4	—	—	3	3	14
65 „ „	75	...	22	13	—	—	10	5	32
75 and over	...	...	28	41	1	5	11	8	44
TOTALS	...	66	63	1	5	29	23	94	81
GRAND TOTALS	...	129		6		52		175	

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory.	1	2	3
Tuberculosis, other	—	—	—
Syphilitic disease...	—	—	—
Diphtheria	—	—	—
Whooping Cough...	—	1	1
Meningococcal Infections	—	—	—
Acute Poliomyelitis	—	—	—
Measles	—	—	—
Other Infective and Parasitic Diseases	—	—	—
Malignant Neoplasm, Stomach	4	—	4
Malignant Neoplasm, Lung, Bronchus	4	—	4
Malignant Neoplasm, Breast	—	—	—
Malignant Neoplasm, Uterus	—	1	1
Other Malignant and Lymphatic Neoplasms	12	6	18
Leukaemia, Aleukaemia...	—	1	1
Diabetes	—	—	—
Vascular Lesions of Nervous System	10	23	33
Coronary Disease, Angina	15	10	25
Hypertension with Heart Disease	3	—	3
Other Heart Disease	12	8	20
Other Circulatory Disease	4	4	8
Influenza	—	2	2
Pneumonia	5	7	12
Bronchitis...	8	4	12
Other Diseases of Respiratory System	—	1	1
Ulcer of Stomach and Duodenum	3	—	3
Gastritis, Enteritis and Diarrhoea	—	2	2
Nephritis and Nephrosis	—	—	—
Hyperplasia of Prostate	2	—	2
Pregnancy, Childbirth, Abortion	—	—	—
Congenital Malformations	—	2	2
Other defined and ill-defined diseases	6	6	12
Motor vehicle accidents	2	—	2
All other accidents	2	1	3
Suicide	1	—	1
Homicide and operations of war	—	—	—
Totals	94	81	175

**COMPARATIVE TABLE OF BIRTH AND DEATH RATES
DURING THE YEAR, 1953.**

	Rate per 1 000 civilian population		Deaths under 1 year per 1 000 registered live births
	Live Births	Deaths from all causes	
England and Wales ...	15·5	11·4	26·8
160 County Boroughs and Great Towns including London	17·0	12·2	30·8
160 Smaller Towns with Resident Population of from 25,000 to 50,000 (1951 Census)	15·7	11·3	24·3
Maldon Rural District ...	13·8	11·7	4·8

When corrected for age and sex distribution of population, Maldon Rural District's birth rate becomes 15.7 and death rate 8.9.

The natural increase in the population, namely, the excess in the number of live births over the number of deaths, is shown in the following tabular statement for each of the ten years 1943—1953.

Year		No. of Births		No. of Deaths		Natural Increase
1943	...	193	...	204	...	-11
1944	...	255	...	174	...	+81
1945	...	214	...	185	...	+29
1946	...	268	...	204	...	+64
1947	...	259	...	192	...	+67
1948	...	240	...	135	...	+105
1949	...	223	...	192	...	+31
1950	...	234	...	188	...	+46
1951	...	253	...	215	...	+38
1952	...	225	...	168	...	+57
1953	...	206	...	175	...	+31

Advantage has been taken of the 1951 Census Report in inserting statistical information.

Maldon Rural District Distribution of Occupied and Retired Males Aged 15 and Over

<i>Total Males Occupied and Retired aged 15 and over</i>	<i>Occupations</i>				
	<i>Pro- fessional</i>	<i>Inter- mediate</i>	<i>Skilled</i>	<i>Partly skilled</i>	<i>Unskilled</i>
5,234	120	1,051	1,910	1,769	384
<i>Proportion per 1,000 total ...</i>	23	201	365	338	73

ACREAGE, POPULATION, PRIVATE HOUSEHOLDS AND DWELLINGS—CENSUS 1951

CIVIL PARISHES	Acreage (Land & inland water)	Population						Private Households and Dwellings 1951					
		1931			1951			Structurally Separate Dwellings Occupied			Rooms Occupied		
		Persons	Persons	Males	Persons	Females	Persons per acre	Private House- holds	Population in Private House- holds	Persons per Room	Persons per Room	Percentage of Persons at more than 2 per room	2.0
Althorne ...	2,080	390	451	209	242	0.22	150	449	148	708	0.63	2.0	
Asheldham ...	1,310	168	170	81	89	0.13	51	170	51	247	0.69	7.1	
Bradwell-on-Sea ...	5,221	657	680	368	312	0.13	217	659	215	1,088	0.61	1.8	
Cold Norton ...	1,692	384	401	191	210	0.24	129	401	129	548	0.73	—	
Dengie ...	2,856	192	165	81	84	0.06	45	165	45	286	0.58	—	
Goldhanger ...	1,622	353	462	229	233	0.28	157	462	154	738	0.63	—	
Great Braxted ...	2,634	282	363	174	189	0.14	115	353	115	570	0.62	—	
Great Totham ...	3,589	982	1,221	558	663	0.34	395	1,216	393	1,882	0.65	0.6	
Hazeleigh ...	991	114	114	64	50	0.12	34	114	34	184	0.62	5.3	
Langford ...	991	169	153	74	79	0.15	44	153	44	208	0.74	—	
Latchingdon ...	3,992	419	595	307	288	0.15	188	590	184	824	0.72	3.2	
Little Braxted ...	622	116	162	78	84	0.26	45	162	44	236	0.69	—	
Little Totham ...	1,281	293	292	151	141	0.23	86	292	86	404	0.72	—	
Mayland ...	1,870	360	426	218	208	0.23	141	426	141	605	0.70	2.3	
Munden ...	3,076	251	324	166	158	0.11	91	318	90	434	0.73	0.9	
North Fambridge ...	1,242	168	278	122	156	0.22	86	270	86	396	0.68	3.0	
Purleigh ...	5,771	770	886	443	443	0.15	279	886	277	1,328	0.67	1.5	
St. Lawrence ...	2,139	71	151	73	78	0.07	50	147	50	225	0.65	6.8	
Southminster ...	6,512	1,403	1,444	708	736	0.22	472	1,396	468	2,253	0.62	0.9	
Steeple ...	2,709	343	330	151	179	0.12	106	330	106	519	0.64	—	
Stow Maries ...	1,610	165	182	91	91	0.11	56	182	56	275	0.66	—	
Tillingham ...	4,928	670	683	338	345	0.14	241	683	241	1,195	0.57	0.6	
Tollesbury ...	4,839	1,694	1,594	746	848	0.33	539	1,565	536	2,550	0.61	—	
Tolleshunt D'Arcy ...	4,104	748	758	372	386	0.18	248	758	247	1,166	0.65	4.5	
Tolleshunt Knights ...	1,926	252	405	197	208	0.21	133	405	133	602	0.67	1.7	
Tolleshunt Major ...	2,253	370	403	202	201	0.18	126	403	126	614	0.66	—	
Ulting ...	1,034	143	132	64	68	0.13	44	132	43	247	0.53	—	
Wickham Bishops ...	1,606	639	866	431	435	0.54	275	866	273	1,338	0.65	2.3	
Woodham Mortimer ...	1,387	268	341	176	165	0.25	105	341	105	535	0.64	—	
Woodham Walter ...	2,620	514	531	268	263	0.20	173	531	168	816	0.65	—	
	78,507	13,348	14,963	7,331	7,632	0.19	4,821	14,825	4,788	23,021	0.64	1.3	

DWELLINGS, ROOMS AND HOUSEHOLDS (CENSUS 1951)

Maldon Rural District		Structurally Separate Dwellings										Number of Rooms			
		1	2	3	4	5	6	7	8 or 9	10 or more Rooms	All Sizes	Occupied	Vacant	Furn'd	Others	TOTAL
Dwellings occupied		Room	Rooms	Rooms	Rooms	Rooms	Rooms	Rooms	Rooms	Rooms	Occupied				
by 1 Private Household(s) ...	63	151	381	1,673	1,456	540	212	199	82	4,757	22,772	23	6		22,801
by 2 Private Household(s) ...	—	—	—	—	—	6	5	6	7	29	232	—	—	—	232
by 3 or more Private Household(s) ...	—	—	—	—	—	—	—	2	—	2	17	—	—	—	17
Total Dwellings Occupied	63	151	381	1,674	1,460	546	217	207	89	4,788	23,021	23	6		23,050
Dwellings wholly vacant	furnished	15	55	126	32	14	2	10	5	316	1,191	1,191	6		1,191
Dwellings wholly vacant	{ Others	9	12	14	53	32	7	5	4	138			577		577
Total Dwellings occupied and vacant		87	218	452	1,853	1,524	567	224	221	96	5,242	23,021	1,214	583	24,818
Number of Private Household therein	63	151	381	1,675	1,464	552	222	217	96	4,821					
Miscellaneous habitations and institutions housing non-private households												19			
												

The above includes (a) 9 houseboats comprising 12 rooms occupied by 9 households.
 (b) 55 caravans comprising 80 rooms occupied by 55 households.

MALDON RURAL DISTRICT PRIVATE HOUSEHOLDS BY SIZE,
ROOMS OCCUPIED AND DENSITY OF OCCUPATION IN (a) ALL DWELLINGS (b) SHARED DWELLINGS.
(CENSUS 1951)

Number of Households Occupying the following										Average Number of Persons per Room
1 Room	2 Rooms	3 Rooms	4 Rooms	5 Rooms	6 Rooms	7 Rooms	8 or 9 Rooms	10 or more Rooms	Total Persons in Households	
(a) Households in all Dwellings										Total Rooms Occupied
1	30	76	96	272	94	38	14	10	2	632
2	25	58	143	567	381	163	46	38	18	2,459
3	8	18	77	412	334	141	56	58	19	6,560
4	4	15	41	261	322	94	50	36	19	5,543
5	—	4	19	109	166	60	26	27	12	4,233
6	—	1	10	46	90	26	12	14	5	2,231
7	—	—	4	12	40	15	9	10	5	1,078
8	—	—	—	5	17	3	2	1	30	560
9	—	—	—	1	10	—	—	3	16	171
10 or more	—	—	2	—	10	—	3	—	17	144
								2	91	91
Total Households	...	...	67	172	393	1,685	1,464	543	4,821	14,825
Total Persons	...	...	120	332	997	4,640	5,130	1,781	83	23,018
Rooms Occupied	...	...	67	344	1,179	6,740	7,320	3,258	321	0.64
Distribution per 1,000 households by rooms Occupied 1951	...	14	36	82	349	303	113	45	17	1,000
(b) Households in all dwellings										74
Total Households	...	...	4	21	12	14	11	5	2	192
Total Persons	...	...	6	41	28	40	41	13	8	283
Rooms Occupied	...	...	4	42	36	56	55	30	17	0.68
Distribution per 1,000 households by rooms Occupied 1951	...	54	283	162	189	149	68	41	27	1,000

MALDON RURAL DISTRICT PRIVATE HOUSEHOLDS
ACCORDING TO POSSESSION OF CERTAIN HOUSEHOLD
ARRANGEMENTS (CENSUS 1951)

	Number of Households			Total Number of private Households in District
	Having exclusive use	Sharing with another Household	Without	
With piped water supply provided within the house (does not include where tap is in the open yard or from a public standpipe.) ...	3,524	318	970	
Provided with Cooking Stove with an oven (using gas, electricity or other fuel.)	4,555	46	211	
Provided with Kitchen Sink (with a drain pipe leading outside building and normally used for washing up, does not include wash-basin for personal toilet.) ...	4,020	47	745	4,812
Provided with water closet (flushed by water from cistern or by hand and emptying into a main sewer, septic tank or cesspool.)... ...	2,106	56	2,650	
Provided with fixed bath (connected with a waste pipe leading outside the building but may not have a piped water supply to it.)	2,105	45	2,662	
Provided with all five arrangements		1,528		

**MALDON RURAL DISTRICT POPULATION IN NON-PRIVATE HOUSEHOLDS BY HABITATION
CENSUS 1951**

(Comprises all persons enumerated in Hotels, Boarding-houses and Institutions or otherwise grouped in establishments of one kind or another for some functional purpose other than the mere provision of food or domestic convenience)

Total enumerated Population	Population in dwellings occupied in Private Households	Hotels, Boarding-houses Permanent Holiday Camps, etc.		Civilian Hospitals and Nursing Homes	Institutions for Mentally Ill or Deficient	Homes for Permanently Disabled or Aged	Miscellaneous Community Establishments	Defence Establishments including Naval Ships and Service Hospitals	Places of Detention including Borstals and Police Stations
		With 10 or more Rooms	With less than 10 Rooms						
			13						
14,963	14,825	43	11		14	21	21	10	5

MALDON RURAL DISTRICT AGES (quinary) and
MARITAL CONDITION

<i>Marital Condition</i>	<i>Total Population</i>		<i>Married Only</i>	
	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>
Single ...	3,198	2,992		
Married ...	3,802	3,849	3,802	3,849
Widowed ...	311	752		
Divorced ...	20	39		
<i>Age last Birthday</i>				
0— 4	676	636		
5— 9	584	541		
10—14	515	446		
15—19	405	424		21
20—24	395	424	93	221
25—29	453	484	274	397
30—34	487	501	388	429
35—39	543	512	453	438
40—44	561	552	475	460
45—49	560	493	488	398
50—54	387	456	320	342
55—59	368	454	316	310
60—64	347	487	300	310
65—69	396	436	292	234
70—74	306	339	217	183
75—79	202	257	122	77
80—84	104	127	51	20
85—89	34	52	11	8
90—94	7	9	1	1
95 and over	1	2	1	—
Total ...	7,331	7,632	3,802	3,849

Maldon Rural District Occupied Male population by 5 Terminal Education Ages, (includes out of work but excludes retired persons.)

Terminal education age means the age at which full-time attendance at school, university or other education establishment ceases.

TERMINAL EDUCATION AGES

All Stated Ages	Under 15	15	16	17—19	20 and Over	Not Stated
4,059	3,082	425	273	189	90	627

PUBLIC HEALTH STAFF.

Clerk to the Rural District Council L. H. Hiscott

Medical Officer of Health ... John F. Macdonald, M.D., Ch.B., D.P.H., who also acts in this capacity for the Rural District of Chelmsford.

Surveyor and Water Engineer ... I. M. Nicholson, M.I.Mun.E., A.M.I.S.E.

Senior Sanitary Inspector ... G. L. Turner, M.R.San.I. Qualified Inspector of Meat and other Foods.

Additional Sanitary Inspector ... L. F. Newnham, M.R.San.I., Qualified Inspector of Meat and other Foods.

Housing Assistant ... V. A. Arnold.

Clerk to Sanitary Inspectors ... Miss J. Cruess

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